

## **BINDING COMPOUNDS TARGETING THE NON-KINASE DOMAIN SEGMENT OF POLO-LIKE KINASES**

### **Abstract of the Disclosure**

5           The present invention relates to therapeutic compounds and methods of use  
of these therapeutic compounds for treating cellular proliferative disorders. The  
invention also provides three-dimensional structures of a Polo-like kinase and  
methods for designing or selecting small molecule inhibitors using these  
structures, and the therapeutic use of such compounds. The invention also  
10 includes a method for identifying novel phosphopeptide-binding domains.